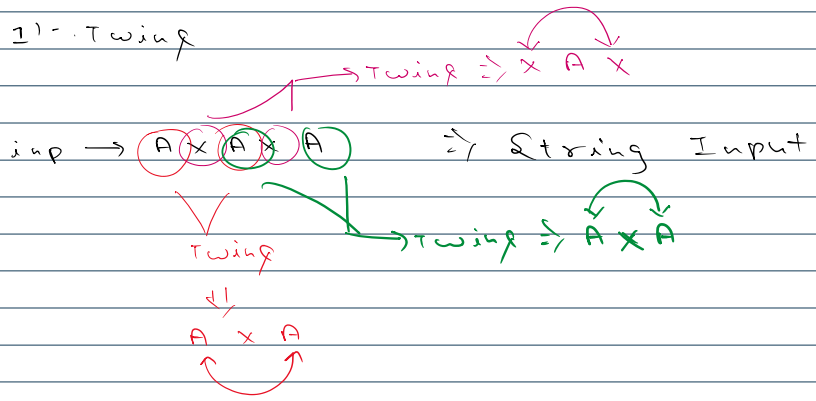
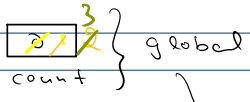
Problems

1) - Twins



0th → 2nd index { 0 / 2 }

0 = 2



0 1 2 3 4
A x A x A => S[0] == S[2] => count++ {i: 0}
A == A

0 1 2 3 4
A x A x A => S[1] == S[3] => count++ {i: 1}
x == x

0 1 2 3 4
A x A x A => S[2] == S[4] => count++ {i: 2}
A == A

0 1 2 3 4
A x A x A => S[3] == S[5] => X {i: 3}

Base cndtn
smallest valid ip

```
static int count = 0;

solve(s, ind) {
    if(ind+2 >= s.length()){
        return;
    }
    if(s[i] == s[i+2]) count++;
    solve(s, ind+1);
}
```

i + 2 < s.length()

{2 + 2 < s.length() => 4 < 5 => X

{3 + 2 < s.length() => 5 < 5 => X

```
public class Main {
    static int count = 0;
    public static void main(String[] args) {
```

```
        String s = "AXAXA";
        int ind = 0;
        solve(s, ind);
        System.out.println(count);
    }

    public static void solve(String s, int ind){
        if(ind+2 >= s.length()){
            return;
        }
        if(s.charAt(ind) == s.charAt(ind+2)){
            count++;
        }
        solve(s, ind+1);
    }

}
```